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AMENDED CLAIMS: (Our Ref: 538451, U.S. Appl. No. 10/509,740)

19-45. (Cancelled)

46. (Amended) An optical storage medium capable of having marks and spaces written thereon, such that each mark or space has a leading edge, a trailing edge, and a length between the leading edge and the trailing edge that is variable such that a shortest length is m*T and a longest length is n*T, wherein m is an integer that is equal to or greater than one, n is an integer that is greater than m, and T is a unit time cycle,

the optical storage medium comprising multiple tracks~~,~~

~~the multiple tracks being formed from one of concentric tracks and spiral tracks,~~

~~the multiple tracks being~~ for recording information using marks and spaces~~ arranged between the marks~~,

wherein each mark has a mark length limited by run length limited (RLL) modulation, and

wherein the optical storage medium is configured for recording a predetermined signal having marks and spaces such that a predetermined requirement of having a first-playback-signal-quality is fulfilled through jitter measurement which is performed, during a playback of the predetermined signal, by detecting the edge of a mark or a space not including edges adjacent to one of an m*T-length mark and an m*T-length space.

47. (Amended) The optical storage medium according to claim 46,

wherein the optical storage medium is configured for recording a predetermined signal having marks and spaces such that a predetermined requirement of having a second-playback-signal-quality is fulfilled through jitter measurement which is performed, during the playback of the predetermined signal, by detecting the edge of a mark or a space including edges adjacent to